

12191600 BAKER LAKE AT UPPER BAKER DAM NEAR CONCRETE, WA

Puget Sound Basin
Upper Skagit Subbasin

LOCATION.--Lat 48°38'58", long 121°41'22" referenced to North American Datum of 1927, in SW ¼ sec.31, T.37 N., R.9 E., Whatcom County, WA, Hydrologic Unit 17110005, at upper Baker Dam on Baker River near center of dam, 0.3 mi upstream from Sulphur Creek, 8.0 mi north of Concrete, and at mile 9.3.

DRAINAGE AREA.--215 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 1959 to current year.

GAGE.--Water-stage recorder. Datum of gage is NAVD of 1988. Prior to Oct. 1, 2004, datum of gage was 3.77 ft higher at NGVD of 1929.

REMARKS.--Records fair. Reservoir is formed by concrete gravity dam, completed in June 1959; storage began July 9, 1959. Usable storage, 212,995 acre-ft, between elevations 658.77 ft, minimum operating pool, and 727.77 ft, normal full pool. Dead storage below elevation 658.77 ft, 67,809 acre-ft. Crest of spillway is at elevation 697.77 ft. Water used by Puget Sound Energy for power generation. Capacity table to datum of NAVD of 1988 prepared and furnished by Puget Sound Energy on the basis of a resurvey of the lake bed. Figures given herein represent total contents. U.S. Geological Survey satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 287,930 acre-ft, July 12, 1972, elevation, 728.26 ft, present datum; minimum contents since normal operating level was reached in August 1960, 102,621 acre-ft, May 8, 1977, elevation, 678.58 ft, present datum.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 280,457 acre-ft, June 28, elevation, 727.70 ft; minimum contents, 102,072 acre-ft, April 10, elevation, 678.39 ft.

MONTH-END ELEVATION AND CONTENTS AT 2400 WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Date	Elevation (feet)	Contents (acre-feet)	Change in contents
December 31, 2006	702.80	173,087	--
September 30	719.41	240,895	--
October 31	709.97	200,333	-40,562
November 30	705.07	181,363	-18,970
December 31	698.88	159,531	-21,832
Calendar Year 2007	--	--	-13,556
January 31	689.80	131,300	-28,231
February 29	682.09	110,778	-20,522
March 31	679.20	103,916	-6,862
April 30	692.24	138,498	+34,582
May 31	724.69	265,706	+127,208
June 30	726.45	274,280	+8,574
July 31	726.25	273,296	-984
August 31	720.00	243,592	-29,704
September 30	710.35	201,872	-41,720
Water Year 2008	--	--	-39,023